About 30 acres of large forest trees at Heights of Abraham, Matlock, Bath, consisting of larch, spruce, and Scots fir, of rare size, near a railway.

A portable, high-pressure, steam-engine, of six, eight, ten, twelve, and fourteen horse power, boilers separately, at Newington Causeway.

An ironmongery business, established in a rich agricultural county for fifty years.

TO CORRESPONDENTS.

"*J. A.*"—The late Chief Justice Tindal ruled, that if parties practised and produced the same results before the time the patent was obtained, they could not be prevented by any subsequent patent from doing the same again.

"*C. B. A.*"—Thanks.

"*S. B.*" Nottingham.—We shall be glad to receive the notice offered.

"*Candid.*"—The charge should be regulated by circumstances; 15 per cent. would not be extravagant.

"*W. L. O.*"—The engravings must stand over till the letter-press is ready.

"*G. H. D.*"—We cannot promise to go so far.

"*Filtering Stone.*"—A correspondent wishes to know, "what quantity of water will pass through 1 foot super of filtering stone 3 inches thick in one hour."

"*Blackburn Competition.*"—A correspondent again asks whether the competition for the proposed Exchange buildings at Blackburn is yet decided.

"*W. Y.*" next week.

"*J. W.*"—Soon.

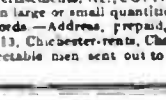
Received.—"J. J." "Itinerant Antiquary," "T. M.," "C.," "T. C.," "J. P.," "Constant Subscriber," "Catalogue of Roman Emperors, with the price of their coins," by P. Whelan.

ADVERTISEMENTS.

DRAWING in PERSPECTIVE simplified by EARL'S REGISTERED GONIOMETRICON, strongly recommended for its usefulness and small size to the artist, teacher, pupil, architect, &c.—Wholesale and Retail of J. C. BRODIE, 79, Long-acre, and Messrs. REEVE'S and SON'S, Cheapside.

TO ENGINEERS, ARCHITECTS, BUILDERS, &c.

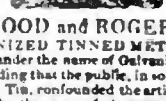
SPECIFICATIONS, Contracts, Conditions of Sale, Advertisements, &c., COPIED in a very superior manner, and in large or small quantities, at Three Halfpence per 100 words.—Address, prepaid, letters, &c., to KERR and Co., 13, Chichester-rents, Chancery-lane, London.—N.B. Respectable men sent out to write at the same charge.



PATENT GALVANISED TINNED IRON.
(MOREWOOD AND ROGERS' PROCESS.)

ARCHITECTS, SURVEYORS, BUILDERS, and CONTRACTORS are respectfully informed they can be supplied with this invaluable metal for building purposes, of the best quality and lowest terms. It is superior in every respect to zinc, and two-thirds less price than Tin, sheet lead for roofing, no woodwork being required, but iron rafters only, 21 inches apart, rendering the whole roof fire-proof. This mode of covering roofs is cheaper than Lead, Zinc, Tiles, or Slates. Parapet and other Gutters formed and fixed, also rain-water pipe, headé, eave gutter, baths, stove and funnel pipe, cisterns and waterclosets fixed. The sheets are 6 feet long by 2 ft., 2 ft. 6 in. and 3 feet wide, and 90lb. to any required weight per foot, and can be had either plain or corrugated.

Please apply to CHARLES GELL, Junior, No. 8, Quicksett-row, New-road, St. Pancras, where references and testimonials of the highest respectability of extensive works already done can be had.

By Her Majesty's  Royal Letters Patent.

MOREWOOD and ROGER'S PATENT GALVANIZED TINNED METAL.—This article was at first sold under the name of Galvanised Tin Plates, but the Patentees finding that the public, in some instances, overlooking the word Tin, confounded the article with Galvanised Iron, and that the character of their metal has thereby sustained injury, are desirous of giving it a name so distinctive as to prevent such mistakes, and consequent disappointment to purchasers in future. They therefore respectfully request purchasers to inquire for MOREWOOD and ROGER'S PATENT GALVANIZED TINNED IRON. In order to enable the public readily and at first sight to distinguish between the two metals, it may be well to inform them, that Galvanised Iron has a plain zinc-like appearance, while M. and R.'s Patent Galvanised Tinned Iron has a smooth crystalline surface.

MOREWOOD and ROGER'S PATENT GALVANIZED TINNED IRON, Patronised by the Admiralty and the Honourable Board of Ordnance, being extensively used in her Majesty's Dock-yards, at the Tower, and elsewhere, for every variety of Roofing, and other purposes, where a strong, light, cheap, and durable material is required.

It has been found by experience that this article is beyond all comparison superior to zinc; possessing, as it does, all the advantages arising from the strength and firmness of iron, combined with perfect immunity from rust; whilst it is free from the very serious objection which applies to zinc, viz. its contraction and expansion, consequent upon every change of temperature, and from which circumstance leakage must of course result.

This material is not likely to be destroyed by fire, as is the case with zinc and lead, which melt and run down, thus freely admitting fresh air to the fire, and causing it to burn more fiercely. It is, therefore, obviously well adapted for all the purposes above-named, and most importantly so, when there is the possibility of fire. It is also peculiarly suitable for chimney-tops, gutters, spouting, and out-door work generally, possessing the strength of iron, without its liability to corrosion. It is by far the most economical metal roofing that can be obtained, in consequence of its strength, as it may be laid without boards, and upon the lightest rafters.

The mode of preserving metal from rust does not only apply to sheet-iron, but also to manufactured iron in any form, as bolts, nuts, hinges, nails, &c. &c.

For full Particulars apply to S. HOLLAND, 34, Gracechurch-street.

INVENTORS and DEPOSITORS of WORKING MODELS and of other Specimens of the Useful Arts (as well as the Visitors of the ROYAL POLYTECHNIC INSTITUTION) are respectfully informed that the Directors have given their anxious consideration to the new appointment of Demonstrator in Mechanics, whose duty will be to explain to the Visitors the principles and uses of the above Specimens with clearness and simplicity. The Lectures now comprise the Electric Telegraph, as well as other objects of present interest. The beautiful Optical Instruments, &c. &c.—Admission, 1s. Schools, Half-price.

CHEAP PAN FOR WATER CLOSETS,
With Trap, in one Piece.

DOULTON and WATTS, Lambeth Pottery, London. Manufacturers of the above in superior glazed STONE WARE, price 7s. 6d. each. They are of the most durable ware, and are recommended in preference to iron on account of their cleanliness and cheapness. If preferred, they can be had in two parts, the pan at 4s. 6d., and the Trap at 3s. 6d. N.B. Manufacturers of RAIN WATER PIPING for houses.

CLARENDON PANTECHNICON, North-row, North Audley-street, Grosvenor-square. The proprietor, Mr. JAMES PONSFORD, begs most respectfully to inform the nobility, gentry, and public, that he has these extending convenient ware and store-rooms for depositing furniture and other valuable property, and that the greatest attention is given to receiving and delivering all articles, and to their safety while in the ware-rooms, and the moderate charge he makes for the convenience is considerably less than similar Establishments in London.

ARCHITECTURAL ENRICHMENTS.—BIELEFELD'S improved PAPIER MACHE, which has been almost universally adopted for architectural decorations, has been patronised by her Majesty, by the Hon. Commissioners of Board of Works, by the highest of the Nobility and Gentry, and by the most eminent architects of the day. It has been used at the Royal Palaces, at the present House of Lords, at Drayton Manor, the new Conservative Club House, &c., also at the British Museum, and Pantheon Bazaar, where it has been extensively used for some years, and an inspection will sufficiently establish its superiority over every other kind of composition, both for beauty and durability. Designs prepared for the decoration of ceilings, panelling of walls, &c. A volume of enrichments, containing more than 1,000 designs of the papier mache ornaments with a tariff of prices, price 1*l.* Works, 19, Wellington-street, North, Strand.

PORTLAND CEMENT does not vegetate in damp situations, requires no colouring, is perfectly hydraulic, and resists the action of frost. The price is now considerably reduced, and the public are thereby enabled to avail themselves of these distinct advantages.

Manufactured by J. B. WHITE and SONS, of Millbank-street, Westminster; and sold at their warehouses—Earl-street, Blackfriars; Druce's Wharf, Chelsea; Bell's Wharf, Paddington; and Albion Wharf, Deptford-bridge; at Seel-street, Liverpool; and Salmon and Co.'s, Dublin.

ATKINSON'S CEMENT.
Rotherhithe Cement Works, Church-street, Rotherhithe.

WILLIAM WOOD, Jun., Manufacturer of Bath, Portland, and Roman Cements, Blue and White Lias Lime, &c. &c., begs to inform Architects, Builders, and others, that he is appointed AGENT for the sale of ATKINSON'S CEMENT, and has just received a shipment direct from the Works, which is now ready for sale, in any quantity, at the price of 2s. 3d. per bushel.—WILLIAM WOOD, Jun., also begs to call the attention of the public to his Bath Cement, which he thinks will merit approbation. It is of a very light colour, and will take up more sand than any cement now in use; requires no paint, and is well adapted for ornamental castings of every description, however elaborate; 2s. per bushel, delivered free within three miles of the works.

PATENT METALLIC SAND CEMENT, requiring no colour or paint, and free from cracks and blisters, mixed ready for use at 8s. per cask; 3s. 6d. allowed for each cask returned in good order. 3½ bushels common sand to be added to each cask of Metallic Cement, which will float 14 square yards of stucco.—Apply at the Metallic Cement Wharf, King's-road, Camden New Town.

THE PROJECTED RAILWAYS.

BENSON, LOGAN, and CO.'S PATENT METALLIC SAND CEMENT.—Its merits, as stated in letter to the Proprietors, by James Thomas Knowles, Esq., Architect, Raymond's Buildings, Gray's Inn, are:—

1st.—"The great tenacity with which it adheres to brick, stone, and iron.

2ndly.—"Its freedom (when properly applied) from those cracks and flaws, by which the cements generally used for external stuccoing are so frequently disfigured.

3dly.—"The total absence of the unsightly tint produced by vegetation.

4thly.—"The increased hardness which it acquires from exposure to atmospheric influences.

5thly.—"The great beauty, accuracy, and durability of the mouldings, capitals of columns, crockets, finials, and other architectural enrichments and decorations formed of it, the smallest and most delicate members of which, as well as the sharpest arises, have withstood uninjured the severities of our climate during many winters, and now present the same perfect and highly finished appearance as would be produced by stone carvings carefully executed.

6thly.—"The excellent and agreeable tone of colour which it assumes naturally, and retains without the aid of any colouring or painting.

"And lastly, its extreme hardness and almost entire incompressibility when used as a mortar in the construction of inverted or relieving arches, foundations under important superstructures, and small bearing piers, which have to sustain great weights. For all these purposes it has been extensively used under my directions, and in some cases has been exposed to very severe trials. The results have, however, without one exception, been most satisfactory; and I do not believe that there are any known substances so well adapted for the execution of works, in which the greatest strength and durability are essential."

Price of Metallic Sand at Swansea (place of manufacture), 10s. per ton, or supplied in London at 20s. per ton of twenty-one bushels.

Further information will be given, and specimens shewn, on application to Mr. C. K. DYER, 4, New Broad-street, and at the Metallic Cement Wharf, King's-road (opposite Pratt-street), Camden New Town, London.

CHEAP ROMAN CEMENT is sold in Casks that will not contain five bushels, even by some manufacturers of a very respectable name. Consumers should see that the standard size cask is 29 inches long by 17½ across the head, outside measure. Any workman with a rule in his pocket can ascertain this.

KEENE'S PATENT MARBLE CEMENT.

WITHOUT noticing CAUTIONS, which are as absurd as they are uncalled for, or disproving assertions, which carry with them their own refutation, the patentees of KEENE'S CEMENT venture to believe, that this material will very advantageously stand the test of comparison with any cement of a similar nature, however INVALUABLE, now before the public. They derive this opinion from its all but exclusive use in the new buildings north of Hyde-park, on the Brompton estate, and in many other public and private edifices, both in London and the country. Amongst others may be mentioned the works recently executed at the Colosseum, Regent's-park, where its hardness and beauty of appearance have caused it to be extensively used for skirting and other mouldings, in place of wood, for columns instead of marble, and as a substitute for stone in paving the floors of the corridors and conservatories.

Patentees and manufacturers, J. B. WHITE & SONS, Millbank-street, Westminster.

MARTIN'S FIRE-PROOF AND ORNAMENTAL CEMENT.

CAUTION.—Messrs. STEVENS and SON, Patentees, beg to caution their friends and the trade generally against confounding this invaluable Cement with others, erroneously said to be of the same description. S. and S. pledge themselves, that MARTIN'S CEMENT is totally dissimilar in composition and manufacture from every other, and, being a neutral compound, is not only free from chemical agency upon any substance with which it may come in contact, but completely resists the action of the strongest acids. They feel it a duty to direct attention to the following properties, which it exclusively possesses:—

1. It rapidly acquires the hardness of stone.
2. Unlike other internal cements, its hardness is uniform throughout its entire thickness.
3. Its surface (which may be made equal to that of the finest marble) NEVER THROWS OUT ANY SALT, and will receive paint in four days, without peeling, when put upon dry work.

It is peculiarly adapted as an internal stucco for walls, skirtings, architraves, mouldings, and enrichments of all kinds, to all of which purposes it has been extensively applied by Mr. Thomas Cubitt on the Grosvenor estate, &c.

For the above purposes, it possesses great advantages over wood, being more economical and durable, resisting fire, damp, and vermin.

For the floors of hall and fire-proof warehouses, its lightness, durability, and uniform surface give it an immense advantage over stone, being, at the same time, much more economical. The most satisfactory references can be given. To be had of the Patentees, Plaster of Paris and Cement Manufacturers, 186, DRURY LANE.

Agent for Liverpool and Manchester, Mr. R. PART, 29, Canning-place, Liverpool.

TO ARCHITECTS, ENGINEERS, CONTRACTORS, BUILDERS, MASONS, AND PLASTERERS, MERCHANTS, SHIPPERS, AND THE PUBLIC IN GENERAL.

JOHNS and CO.'S PATENT STUCCO CEMENT.—The following are the positive advantages possessed by this Invention over every Cement hitherto introduced:—It will effectually resist Damp. It will never vegetate nor turn green, nor otherwise discolour. It will never crack, blister, nor peel off. It will form a complete Stone casing to any Building covered with it. It so closely resembles Stone that it is impossible to detect it. It never requires either to be painted or coloured. It will keep fresh and good in the cask in any Climate for any number of years. It is the only Cement that can be depended upon for export. It is the only Cement that can be used with confidence by the Sea-side. It may be used in the hottest or coldest Climates at any season. It will adhere to any substance, even to Wood, Iron, or Glass. It will carry a larger Proportion of Sand than any other Cement. It matures by age, and becomes perfect when other Cements begin to perish. It may be worked through the Winter, as frost has no effect upon it. It may be used on the Inner Walls of new Houses, which may be papered over or painted directly. Roofs laid or pointed with this Cement will remain undamaged by the severest Storms. Any Plasterer may apply it, the Instructions for use being very clear and distinct. The first cost of this material does not exceed that of the cheapest Cement now in use; but with all the above-named extraordinary and valuable advantages, nothing can approach it in point of economy.

Architects and Builders who have used this Cement have declared that it requires only to be known, to be universally preferred.

Specimens may be seen, and a Prospectus fully describing the Cement and its mode of application, together with a volume of Testimonials from every part of the Kingdom, may be obtained on application at the office of "The Builder," and of MANN and CO., SOLE AGENTS for the Patentees, 5, Maiden-lane, Queen-street, Cheapside, London: of whom also may be had,

JOHNS and CO.'S PATENT STONE-COLOUR STUCCO PAINT, expressly intended for Painting over exterior Walls of Houses that have been covered with Roman or other Cements, and which have become dirty and discoloured. It is in every way better suited for this purpose than White Lead Paint, which will frequently come off in flakes, being in direct chemical opposition with Cement; whereas MESSRS. JOHNS and CO.'S PATENT PAINT having an affinity for Stucco, binds itself with it, stopping the suction, thereby rendering the wall proof against weather, and in the finish producing a pure stone-like effect, producible by no other Paint whatever. It is cheap in its application,—and may be used by any Painter, in any climate, even in the most exposed Marine situations.

AGRICULTURAL IMPROVEMENTS.—JOHN READ begs to inform the Agriculturists of the United Kingdom, that his SUBSOIL PULVERISER (for which a patent was granted in 1843) obtained the Royal Agricultural Society's Prize of 10*l.* at Southampton in 1844, and at Shrewsbury in 1845; likewise at the late show at Newcastle-on-Tyne. This implement has been proved in thirty-seven different counties in this kingdom, also in Ireland, Scotland, France, Switzerland, and the West Indies, and universally approved as the best implement for the purpose ever invented. Manufactured by the Patentee, No. 35, Regent-circus, Piccadilly, London.

Likewise FIRE and GARDEN ENGINES, the Valves of which are so arranged as to prevent the possibility of their getting out of repair; if standing by for twelve months, are ready to act in an instant. N.B. Observe the Royal Arms and Patentee's Name, without which none are genuine.

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